

# Algebra Puzzles, Game 1

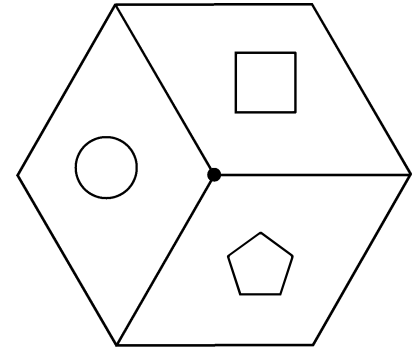
## Game Rules

1. Copy the numbers in the puzzle onto your own record sheet. Then work together to solve the puzzle and record the value of each shape below the puzzle box.

2. Each team spins for a shape. (Spin again if both teams get the same shape.)

3. Circle the shape at the bottom of the Puzzle 1 box with your team's color. Your team scores the value of the shape you spun.

4. Repeat steps 1–3 for all four puzzles. Both teams add up their points. The team with the highest score wins.



Red Team	Blue Team
<b>1</b> $\bigcirc + 15 = 30$ $\bigcirc \div \text{pentagon} = 3$ $(\bigcirc + \text{pentagon}) \times \square = 200$	<b>2</b> $4 \times \bigcirc = 24$ $\bigcirc + \square = 26$ $(\square - \bigcirc) \div \text{pentagon} = 2$
$\bigcirc = \underline{\quad}$ $\square = \underline{\quad}$ $\text{pentagon} = \underline{\quad}$	$\bigcirc = \underline{\quad}$ $\square = \underline{\quad}$ $\text{pentagon} = \underline{\quad}$
<b>3</b> $3 \times \bigcirc = 15$ $\square \div \bigcirc = 5$ $\bigcirc + \text{pentagon} \times \square = 105$	<b>4</b> $100 - \bigcirc = 65$ $\bigcirc \div \square = 5$ $(\bigcirc - \square) \div \text{pentagon} = 7$
$\bigcirc = \underline{\quad}$ $\square = \underline{\quad}$ $\text{pentagon} = \underline{\quad}$	$\bigcirc = \underline{\quad}$ $\square = \underline{\quad}$ $\text{pentagon} = \underline{\quad}$
Red Team Total Score _____	Blue Team Total Score _____

# Algebra Puzzles, Game 2

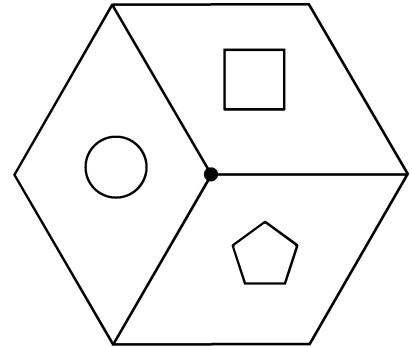
## Game Rules

1. Copy the numbers in the puzzle onto your own record sheet. Then work together to solve the puzzle and record the value of each shape below the puzzle box.

2. Each team spins for a shape. (Spin again if both teams get the same shape)

3. Circle the shape at the bottom of the Puzzle 1 box with your team's color. Your team scores the value of the shape you spun.

4. Repeat steps 1-3 for all four puzzles. Both teams add up their points. The team with the highest score wins.



Red Team	Blue Team
<p><b>1</b> <math>\bigcirc + 15 = 27</math>  <math>(\square - \bigcirc) \times 3 = 45</math>  <math>\text{pentagon} \times \bigcirc + \square = 147</math></p>	<p><b>2</b> <math>14 \div \bigcirc = 2</math>  <math>\bigcirc \times 3 + \square = 25</math>  <math>\text{pentagon} \div (\bigcirc - \square) = 10</math></p>
<p><math>\bigcirc = \underline{\quad}</math> <math>\square = \underline{\quad}</math> <math>\text{pentagon} = \underline{\quad}</math></p>	<p><math>\bigcirc = \underline{\quad}</math> <math>\square = \underline{\quad}</math> <math>\text{pentagon} = \underline{\quad}</math></p>
<p><b>3</b> <math>\bigcirc - 15 = 25</math>  <math>\bigcirc \div \square = 5</math>  <math>\square \times \text{pentagon} - \bigcirc = 16</math></p>	<p><b>4</b> <math>28 \div \bigcirc = 7</math>  <math>\square \div (\bigcirc + 2) = 3</math>  <math>(\text{pentagon} + \square) \div \bigcirc = 5</math></p>
<p><math>\bigcirc = \underline{\quad}</math> <math>\square = \underline{\quad}</math> <math>\text{pentagon} = \underline{\quad}</math></p>	<p><math>\bigcirc = \underline{\quad}</math> <math>\square = \underline{\quad}</math> <math>\text{pentagon} = \underline{\quad}</math></p>
<p>Red Team Total Score _____</p>	<p>Blue Team Total Score _____</p>

# Algebra Puzzles Record Sheet

## Game 1

Red Team	Blue Team
<b>1</b> $\bigcirc + \underline{\quad} = \underline{\quad}$ $\bigcirc \div \text{pentagon} = \underline{\quad}$ $(\bigcirc + \text{pentagon}) \times \square = \underline{\quad}$	<b>2</b> $\underline{\quad} \times \bigcirc = \underline{\quad}$ $\bigcirc + \square = \underline{\quad}$ $(\square - \bigcirc) \div \text{pentagon} = \underline{\quad}$
$\bigcirc = \underline{\quad}$ $\square = \underline{\quad}$ $\text{pentagon} = \underline{\quad}$	$\bigcirc = \underline{\quad}$ $\square = \underline{\quad}$ $\text{pentagon} = \underline{\quad}$
<b>3</b> $\underline{\quad} \times \bigcirc = \underline{\quad}$ $\square \div \bigcirc = \underline{\quad}$ $\bigcirc + \text{pentagon} \times \square = \underline{\quad}$	<b>4</b> $\underline{\quad} - \bigcirc = \underline{\quad}$ $\bigcirc \div \square = \underline{\quad}$ $(\bigcirc - \square) \div \text{pentagon} = \underline{\quad}$
$\bigcirc = \underline{\quad}$ $\square = \underline{\quad}$ $\text{pentagon} = \underline{\quad}$	$\bigcirc = \underline{\quad}$ $\square = \underline{\quad}$ $\text{pentagon} = \underline{\quad}$
Red Team Total Score _____	Blue Team Total Score _____

## Game 2

Red Team	Blue Team
<b>1</b> $\bigcirc + \underline{\quad} = \underline{\quad}$ $(\square - \bigcirc) \times \underline{\quad} = \underline{\quad}$ $\text{pentagon} \times \bigcirc + \square = \underline{\quad}$	<b>2</b> $\underline{\quad} \div \bigcirc = \underline{\quad}$ $\bigcirc \times 3 + \square = \underline{\quad}$ $\text{pentagon} \div (\bigcirc - \square) = \underline{\quad}$
$\bigcirc = \underline{\quad}$ $\square = \underline{\quad}$ $\text{pentagon} = \underline{\quad}$	$\bigcirc = \underline{\quad}$ $\square = \underline{\quad}$ $\text{pentagon} = \underline{\quad}$
<b>3</b> $\bigcirc - \underline{\quad} = \underline{\quad}$ $\bigcirc \div \square = \underline{\quad}$ $\square \times \text{pentagon} - \bigcirc = \underline{\quad}$	<b>4</b> $28 \div \bigcirc = \underline{\quad}$ $\square \div (\bigcirc + \underline{\quad}) = \underline{\quad}$ $(\text{pentagon} + \square) \div \underline{\quad} = \underline{\quad}$
$\bigcirc = \underline{\quad}$ $\square = \underline{\quad}$ $\text{pentagon} = \underline{\quad}$	$\bigcirc = \underline{\quad}$ $\square = \underline{\quad}$ $\text{pentagon} = \underline{\quad}$
Red Team Total Score _____	Blue Team Total Score _____